

Figure 1

constructing one or more candidates of form $C=(a_1, a_2, P, \oplus)$

<u> 202</u>

For each candidate in 202, identifying a sample set and constructing an algebraic constraint given by

$$C=(a_1,\,a_2,\,P,\,\varTheta)$$

for the sample set by applying statistical histogramming, segmentation, or clustering techniques ${\color{red}\bf 204}$

identifying the most useful set of constraints and creating "exception tables" to hold all of the exception records

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during query processing, modifying the queries to incorporate the constraints and combining the results with the results of executing the original query against the exception table.

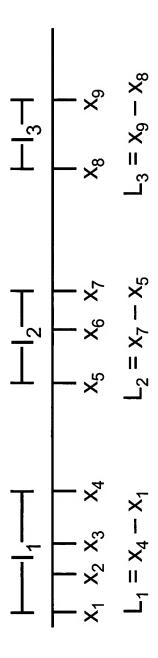


Figure 3

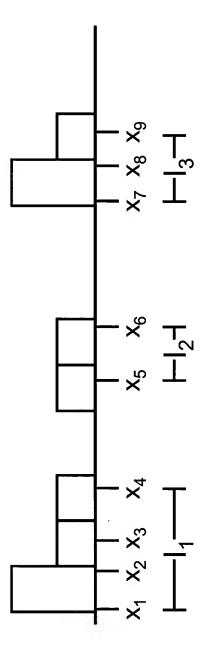
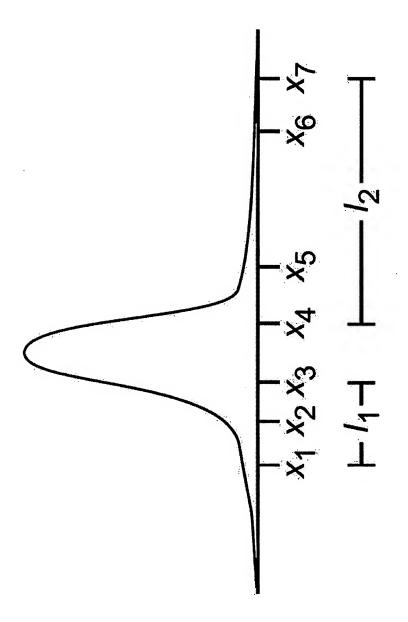


Figure 4



 d^{2}

Figure 5

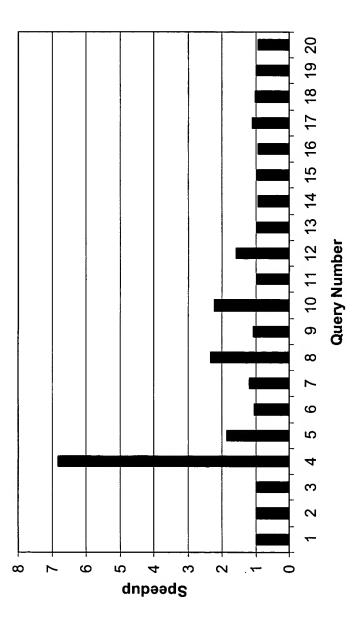


Figure 6